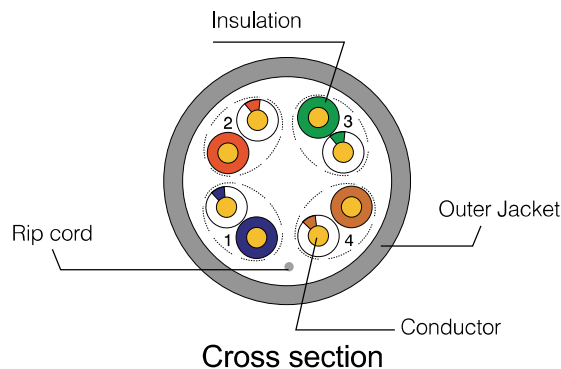


PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



LSZH Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire Dca
PVC Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, Reaction to fire Eca
PE Sheath	Fca
Applicable Standards	ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50173-2, EN 50288-10-1
Conductor Type and Size	Bare copper wire 24 AWG
Insulation	Polyethylene
Wire Diameter with Insulation	0.88±0.02 mm
Cable Diameter	4.9±0.2 mm (LSZH) 5.0±0.2 mm (PVC) 4.8±0.2 mm (PE)
Weight	28.5 kg/km (LSZH) 29.5 kg/km (PVC) 27 kg/km (PE)
Colour	RAL 4005 (LSZH) RAL 7004 (PVC) RAL 9005 (PE)
NVP	69 %
Propagation delay	570 ns/100 m
Delay skew	≤45 ns/100 m
Storage/Operation Temperature	-30 to 90 °C (LSZH, LSZHFR), -20 to 75 °C (PVC) -30 to 60 °C (PE)
Installation Temperature	0 to +50 °C

COMPLIANCE WITH THE REQUIREMENTS

- ANSI/TIA 568-C.2
- EN 50173-1:2002
- ISO/IEC 11801:2002
- IEC 60332-1-2:2004+A1:2015
- IEC 61156-5
- IEC 60754-2:2011
- EN50399:2011+A1:2016
- IEC 61034-2:2005+A1:2013
- EN50575:2014+A1:2016

APPLICATION

- PBX, V.11, X.21, ISDN
- Fast Ethernet (100BASE-TX)
- Gigabit Ethernet (1000BASE-T)
- (1GBASE-T), ATMLAN 1,2 Gbit/s
- 1 Gigabit Ethernet
- ATM-25/52/155 Mbit/s
- Token Ring 16/100 Mbit/s
- 100VG-AnyLAN
- Firewire 100 Mbit/s
- Ethernet (1Base-T)

Part No.	Description
■ 7931051D	Installation Cable Category 5E 24AWG U/UTP SOL CABLE LSZH 305M Dca
■ 49555/305	Installation Cable Category 5E 24AWG U/UTP SOL CABLE PVC 305M Eca
■ 49219	Installation Cable Category 5E Outdoor 24AWG U/UTP SOL CABLE PE 305M Fca
■ 49219/500	Installation Cable Category 5E Outdoor 24AWG U/UTP SOL CABLE PE 500M Fca

CATEGORY 5E INSTALLATION CABLES TRANSMISSION CHARACTERISTICS (AT 20°C)

f (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Prop. Delay (ns/100m)	ACR-F (dB/100m)	PSACR-F (dB/100m)	Return Loss (dB)
1	2,0	65,3	62,3	570	63,8	60,8	20,0
4	4,1	56,3	55,3	552	51,8	48,8	23,0
8	5,8	51,8	48,8	547	45,7	42,7	24,5
10	6,5	50,3	47,3	545	43,8	40,8	25,0
16	8,2	47,2	44,2	543	39,7	36,7	25,0
20	9,3	45,8	42,8	542	37,8	34,8	25,0
25	10,4	44,3	41,3	541	35,8	32,8	24,2
31,25	11,7	42,9	39,9	540	33,9	30,9	23,3
62,5	17,0	38,4	35,4	539	27,9	24,9	20,7
100	22,0	35,3	32,3	538	23,8	20,8	19



7931051D



49555/305



49219/305

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